



National Institutes of Health
Office of Data Science Strategy

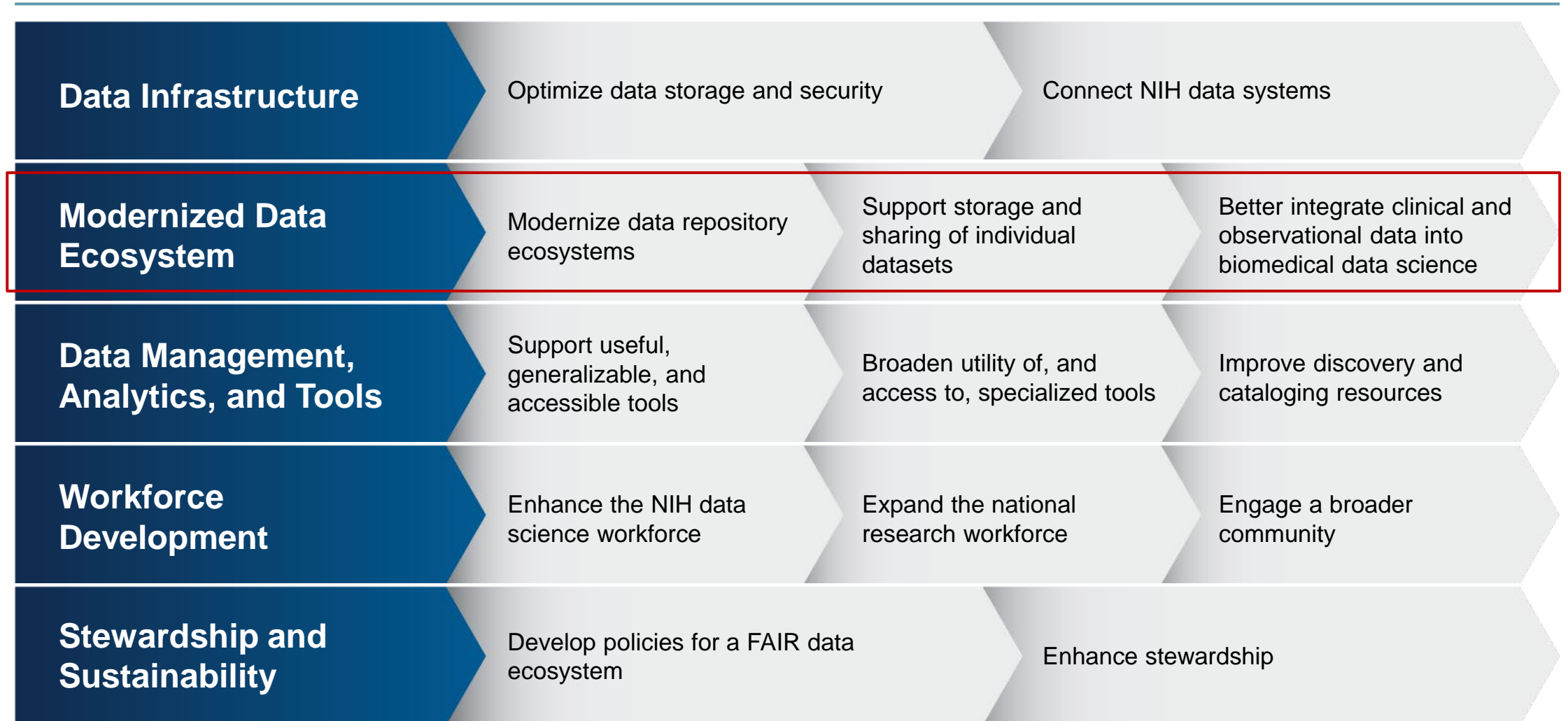
Charge for a Generalist Repository Ecosystem Initiative (GREI) Council of Councils Working Group

Dr. Susan Gregurick
NIH Associate Director for Data Science
Director, Office of Data Science Strategy

Council of Councils Meeting

January 26, 2024

NIH Strategic Plan for Data Science: Goals and Objectives



Tactics to Modernize the Data Ecosystem

Data resources are key enablers of modern biomedical research

Preparing the **NIH Data Ecosystem** for more effective sharing and the new NIH Data Management and Sharing Policy (NOT-OD-21-013)

Administrative
Supplements to
implement desirable
characteristics of
repositories



Funding
Opportunities to
develop new or
enhance existing data
resources



Incorporate
Generalist
Repositories in the
NIH Data
Ecosystem



Developing the GREI Initiative



- NIH Generalist Repository Pilot, An Experiment - [Report](#)

(ODSS sponsored 15-month pilot with Figshare: 2019/2020)

Establishing a FAIR Biomedical Data Ecosystem:

The Role of Generalist and Institutional Repositories to Enhance Data Discoverability and Reuse

February 11 – 12, 2020

Lister Hill Auditorium
NIH Main Campus
Bethesda, MD



- Community Workshop on the Role of Generalist Repositories - [Report](#)

(ODSS & NLM co-sponsored workshop: Feb. 11-12, 2020)



- Generalist Repository Landscape, an Independent Assessment

(ODSS commissioned: 2020)

Generalist Repositories Ecosystem Initiative (GREI)

In support of the NIH Final Data management and Sharing Policy, in January of 2022 ODSS launched the Generalist Repository Ecosystem Initiative (GREI) to develop collaborative **approaches for data management and sharing** and **better enable search and discovery** of NIH funded data in the generalist repositories.

- *The primary mission is to establish a **common set of cohesive and consistent** capabilities, services, metrics, and social infrastructure across various generalist repositories.*
- *A secondary mission is to raise general awareness and facilitate researchers to **adopt FAIR principles** to better share and reuse data.*



MENDELEY DATA



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The Generalist Repository Ecosystem Initiative (GREI) Program

Generalist repositories' Activities:

Expected Outcomes and Impact:



Implement consistent capabilities (NOT-OD-21-016)



Make data sharing easier



Increase access to and discovery of NIH-funded data



Improve discoverability



Conduct outreach and training on FAIR data practices



Increase reproducibility of research



Engage the research community



Encourage secondary use of data

GREI Working Group Rationale

The initiative has resulted in outcomes resulting in tailored community training, a common core metadata schema, and best practices for sharing data.

- Implemented common metadata fields – funder and grant ID
- Included new metadata fields in faceted search
- Normalized and comparable counting for usage metrics (views & downloads)
- Counts by institution/funder
- Connect research and researchers via PIDs
- Teaching & learning materials at <https://about.zenodo.org/projects/grei/>

NIH seeks Council recommendations to guide the future focus of the initiative.

GREI Working Group Charge

The charge of the GREI Working Group of the Council of Councils is to provide an assessment of the GREI's progress to date and to provide recommendations for the future of this initiative, and specifically:

- ❑ Review the current scope and goals of the GREI as well as progress to date;
- ❑ Provide recommendations on future GREI objectives and goals, based on progress and the biomedical research community's needs;
- ❑ Provide recommendations on future success measures for the GREI initiative, accounting for a diverse community of researchers

Vote

Vote to establish a Council of Councils Working Group to review the objectives and progress of the Generalist Repository Ecosystem Initiative (GREI) and recommend future directions.